



Marsh Green Primary School

Science

The programmes of study for science are set out year- by- year for Key Stages 1 and 2. We are however, only required to teach the relevant programme of study by the end of the key stage.

Within each key stage, school has the flexibility to introduce content earlier or later than set out in the programme of study and may introduce key stage content during an earlier key stage if appropriate. Teachers will base their short term planning on the programmes of study for their relevant year groups. The school follows the agreed planning map laid out in the Science Curriculum Document.

The programmes of study describe a sequence of knowledge and concepts. While it is important that pupils make progress, it is also vitally important that they develop secure understanding of each key block of knowledge and concepts in order to progress to the next stage. Pupils should be able to describe associated processes and key characteristics in common language, but they should also be familiar with, and use technical terminology accurately and precisely. They should build up an extended specialist vocabulary. They should also apply their mathematical knowledge to their understanding of science, including collecting, presenting and analysing data.



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Science Yearly Overview

	<u>Autumn</u>	<u>Spring</u>			<u>Summer</u>	
There is flexibility within when units are covered to fit in with other events happening within school		KEY : Red - Chemistry / Blue - Physics / Green - Biology				
YEAR 1	Seasonal Changes - observe weather and changes	Animals and Humans - name common animals, body parts & senses	Everyday Materials - properties of everyday materials		Forces - Explanatory unit (linked with toys)	Plants - common plants Names and structure
YEAR 2	Living things and their habitats - Habitats and food chains	Animals and Humans - Health and growth	Sound Exploratory Unit (linked with music)		Everyday materials - compare usage	Plants - seeds and bulbs , conditions for growing, seasonal changes
YEAR 3	Rocks - Properties, Fossils, Soil formation	Forces and magnets	Light - Shadows / Reflective surfaces	Animals / Humans - Health and nutrition	Animals / Humans - Skeletal / muscular system	Plants - functions and life cycle
YEAR 4	Living things and their habitats - Classification keys	Animals/Humans - Digestion, Teeth and Food chains	Sound - Pitch, Vibrations and Volume		Electricity - Simple circuits, switches, conductors and insulators	States of matter - Solid, Liquids, Gases
YEAR 5	Forces - gravity, friction, air and water resistance, levers, pulleys, gears	Humans - Changes Living things and their habitats - Lifecycles and Reproduction	Plants - life process of reproduction in plants	Earth and space - other planets	Properties in materials and changing states	
YEAR 6	Animals including humans - circulatory systems	Light - travels in straight lines, explanation for effects	Electricity - what affects brightness, buzzer volume, voltage, symbols		Evolution and inheritance - Adaptations	Living things and their habitats - Classification including microorganisms